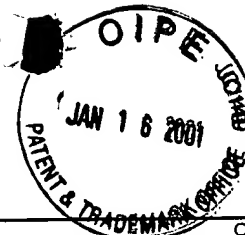


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UNITED STATES PATENT AND TRADEMARK OFFICE


 COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/686,497	10/11/2000	Richard F Selden	10278-022001

 P Louis Myers
 Fish & Richardson P C
 225 Franklin Street
 Boston, MA 02110-2804

FORMALITIES LETTER



OC000000005621386

Date Mailed: 12/14/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.

01/22/2001 ETULU1 00000021 09686497

01 FC:205 65.00 00

A copy of this notice **MUST** be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

Docketed By Practice Systems	
Action Code:	MISSING PARTS
Base Date:	12-14-00
Due Date:	2-14-01
Deadline:	12-14-01
Initial:	JPM

Docketed By Billing System	
Due Date:	2/14/01
Deadline:	6/14/01



FILE COPY

Receipt
Attorney's Docket No.: 10278-022001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Richard F Selden et al.
Serial No. : 09/686,497
Filed : October 11, 2000
Title : OPTIMIZED MESSENGER RNA

Art Unit : 1653
Examiner : Unknown

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APR 03 2001

TECH CENTER 1600/2900

Commissioner for Patents
Washington, D.C. 20231

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the Filing Receipt for the above-referenced application to include the missing inventor's name and residence address —**Douglas A. Treco, Arlington, MA--**.

Please supply a corrected Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes in red ink and a copy of the Combined Declaration and Power of Attorney filed with the Response to Notice to File Missing Parts on January 8, 2001, is attached for your convenience.

No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

8 Jan 01

Louis Myers
Reg. No. 35,965

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

20166870.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

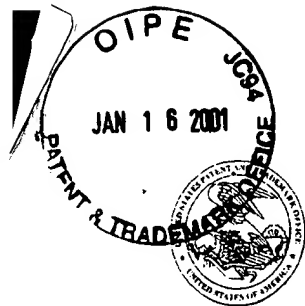
Date of Deposit

January 8, 2001

Signature

Jeanine Mecherkany

Typed or Printed Name of Person Signing Certificate



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WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/686,497	10/11/2000	1653	400	10278-022001	40	25	3

FILING RECEIPT

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APR 03 2001

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Date Mailed: 12/14/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Richard F Selden, Wellesley, MA ;
Allan M. Miller, Boxford, MA ;

Douglas A. Treco, Arlington, MA

Continuing Data as Claimed by Applicant

THIS APPLICATION IS A CIP OF 09/407,605 09/28/1999
WHICH CLAIMS BENEFIT OF 60/102,239 09/29/1998
AND CLAIMS BENEFIT OF 60/130,241 04/20/1999

Foreign Applications

If Required, Foreign Filing License Granted 12/14/2000

** SMALL ENTITY **

Title

Optimized messenger RNA

Preliminary Class

435

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DEC 22 2000

FISH & RICHARDSON, P.C.
BOSTON OFFICE

No Docketing Required

Reviewed by Practice Systems

Initials *KJM* On *12/22/00*

Data entry by : ZIMMERMAN, SHAUNA

Team : OIPE

Date: 12/14/2000



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APR 03 2001

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LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents
 Office of Initial Patent Examination
 Customer Service Center
 Washington, DC 20231





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Richard F. Selden et al.
Serial No. : 09/686,497
Filed : October 11, 2000
Title : OPTIMIZED MESSENGER RNA

Art Unit : 1653
Examiner : Unknown

BOX MISSING PARTS
Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

In response to the Notice to File Missing Parts of Application under 37 CFR §1.53(b) mailed December 14, 2000 (copy enclosed), applicant as a small entity submits herewith the following:

- ☒ Check in payment of \$65 surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application;
- ☒ Combined Declaration and Power of Attorney in compliance with 37 CFR §1.63; and
- ☒ Other: Postcard.

It is understood that this perfects the application and no additional papers or filing fees are required. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 8 Jan 01

Louis Myers
Louis Myers
Reg. No. 35,965

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

January 8, 2001
Date of Deposit

Jeanine Mecherkany
Signature

Jeanine Mecherkany
Typed or Printed Name of Person Signing Certificate